

\* For Examiner's Reference

### Claims

1. A carburetor, including an intake channel (22) formed in said carburetor, wherein at least one partition (31) is disposed in said intake channel (22) extends in the direction of a longitudinal axis (24) of said intake channel, and divides said intake channel into at least one air channel (8) and at least one mixture channel (21), where at least one fuel nozzle (27, 28) opens out into said at least one mixture channel (21), wherein a butterfly valve (26) is pivotably mounted in said intake channel (22) and wherein said butterfly valve is provided with at least two sections (29, 30) that are moveable relative to one another.
2. A carburetor according to claim 1, wherein one of said sections (29) of said butterfly valve (26) forms an air valve section that in a closing position substantially closes off at least one air channel (8).
3. A carburetor according to claim 2, wherein another section (30) of said butterfly valve (26) forms a mixture valve section that in a closing position substantially closes off a mixture channel (21).
4. A carburetor according to claim 1, wherein said sections (29, 30) of said butterfly valve (26) starting from a closing position of said butterfly valve, are moveable relative to one another by approximately 5 to 25°.

5. A carburetor according to claim 4, wherein said sections (29,30) of said butterfly valve (26) are moveable relative to one another by about 10 to 20°.

5 6. A carburetor according to claim 1, wherein one of said sections (30) of said butterfly valve (26) is fixedly connected with a first shaft (35), wherein another section (29) of said butterfly valve (26) is fixedly connected with a hollow shaft (38), and wherein at least a portion of a length of said first shaft (35) is surrounded by said hollow shaft (38).

10 7. A carburetor according to claim 6, wherein said another section (29) of said butterfly valve (26) is connected with a cross member (44) that is disposed on said hollow shaft (38).

8. A carburetor according to claim 2, wherein said air valve section (29) of said butterfly valve (26) is spring-loaded in the direction toward a closing position thereof.

15 9. A carburetor according to claim 8, wherein a first end 46 of a spring (39) is fixed in position on a housing (33) of said carburetor, and wherein a second end (47) of said spring (39) is fixed in position on an air valve shaft that is fixedly connected with said air valve section (29).

20 10. A carburetor according to claim 3, wherein a first engagement member (49) is connected with an air valve shaft, wherein a second engagement member (48) is connected with a butterfly valve

shaft (35), wherein said second engagement member (48) is associated with said first engagement member (49), wherein said air valve shaft is fixedly connected with said air valve section (29), wherein said butterfly valve shaft (35) is fixedly connected with said mixture valve section (30), and wherein said first and second engagement members (48, 49), in a closing position of said air valve section (29) and said mixture valve section (30) of said butterfly valve (26), have an angular spacing from one another in a circumferential direction that corresponds to a maximum rotational moveability of said air valve section (29) and said mixture valve section (30) relative to one another.

11. A carburetor according to claim 10, wherein said air valve shaft and said butterfly valve shaft (35) extend at least from said intake channel (29) to an outer side of a housing (33) of said carburetor.

12. A carburetor according to claim 11, wherein a first disk (42) is fixedly connected with said butterfly valve shaft (35) on an outer side of said carburetor housing (33) and wherein said second engagement member (48) is disposed on said first disk (42).

13. A carburetor according to claim 12, wherein said air valve shaft extends from said first disk (42) up to into said intake channel (22).

14. A carburetor according to claim 10, wherein a second disk (41) is fixedly disposed on said air valve shaft, and wherein said first engagement member (49) is disposed on said second disk (41).